

AMENDMENTS TO THE CLAIMS

The Listing of Claims will replace all prior versions and listings of claims in the present patent application:

Listing of Claims

1.-5. (Cancelled)

6. (Currently Amended) A system, comprising:

at least one Session Initiation Protocol (SIP) header generated by a first telephony infrastructure component, the header containing ~~including~~ information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device; and

at least one second telephony infrastructure component operable to receive the SIP message ~~receiving the information~~ for use thereof in establishing communication with the wireless communication device,

wherein the OTA protocol message is a code division multiple access (CDMA) initiation request message, the information represents CDMA call set-up parameters; ~~and the parameters that~~ are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure, ~~wherein~~ and the information includes at least one station classmark ~~and the classmark that~~ that represents at least wireless telephone power.

7. (Currently Amended) A system, comprising:

at least one Session Initiation Protocol (SIP) header generated by a first telephony infrastructure component, the header containing ~~including~~ information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device; and

at least one second telephony infrastructure component operable to receive the SIP message receiving the information for use thereof in establishing communication with the wireless communication device,

wherein the OTA protocol message is a code division multiple access (CDMA) initiation request message, the information represents CDMA call set-up parameters, ~~and the parameters that~~ are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure, ~~wherein and~~ the information represents whether a ~~signalling~~ signaling encryption is supported by the wireless communication device.

8. (Currently Amended) A system, comprising:

at least one Session Initiation Protocol (SIP) header generated by a first telephony infrastructure component, the header containing including information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device; and

at least one second telephony infrastructure component operable to receive the SIP message receiving the information for use thereof in establishing communication with the wireless communication device,

wherein the OTA protocol message is a code division multiple access (CDMA) initiation request message, the information represents CDMA call set-up parameters, ~~and the parameters that~~ are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure, ~~wherein and~~ the information represents MOB_TERM status of the wireless communication device.

9.-10. (Cancelled)

11. (Currently Amended) A system, comprising:

at least one Session Initiation Protocol (SIP) header generated by a virtual Internet Protocol (IP) endpoint component, the header containing including information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device; and

at least one telephony infrastructure component operable to receive the SIP message ~~receiving the information~~ for use thereof in establishing communication with the wireless communication device,

wherein the OTA protocol message is a code division multiple access (CDMA) initiation request message, the information represents CDMA call set-up parameters, ~~and the parameters that~~ are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure, ~~wherein the header is part of an SIP message from a virtual IP endpoint~~, and the information represents communication from a non-IP enabled CDMA communication device.

12.-14. (Cancelled)

15. (Previously Presented) A method for facilitating communication between a wireless communication device transmitting information using an over-the-air (OTA) protocol and a telephony infrastructure using IP protocol to communicate information within the infrastructure, comprising:

adding data in at least one IP message header representing at least one OTA network parameter, wherein the parameter is related to the OTA protocol but not to voice over IP (VOIP) protocol used within the infrastructure, wherein the parameter includes a station classmark and the classmark represents at least wireless telephone power.

16.-27. (Cancelled)

28. (Currently Amended) A virtual Internet Protocol (IP) endpoint component disposed in a wireless communication device infrastructure, comprising:

a Session Internet Protocol (SIP) message generator operable to generate a SIP message having a header that includes information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device transmitting information internally to the infrastructure using Internet Protocol (IP) messages, at least one message being sent from a virtual IP endpoint within the infrastructure and representing communication from a wireless communication device transmitting information using an

~~over the air (OTA) protocol different from IP, wherein the information is transmitted in at least one header of at least one session initiation protocol (SIP) message the information represents CDMA call set-up parameters, and the parameters that are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure, wherein and the information includes at least one station classmark and the classmark that represents wireless telephone power; and~~

a communications module operable for communicating the SIP message to the wireless communication device infrastructure.

29.-32. (Cancelled)

33. (Previously Presented) A virtual Internet Protocol (IP) endpoint component disposed in a wireless communication device infrastructure, comprising:

a Session Internet Protocol (SIP) message generator operable to generate a SIP message having a header that includes information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device transmitting information internally to the infrastructure using Internet Protocol (IP) messages, at least one message being sent from a virtual IP endpoint within the infrastructure and representing communication from a wireless communication device transmitting information using an over-the air (OTA) protocol different from IP, wherein the information is transmitted in at least one header of at least one session initiation protocol (SIP) message and the header is part of an SIP message from a virtual IP endpoint, and the information represents communication from a that is a non-IP enabled CDMA communication device; and

a communications module operable for communicating the SIP message to the wireless communication device infrastructure.

34.-36. (Cancelled)

37. (Previously Presented) A method, comprising:
using extended session initiation protocol (SIP) headers to transmit over-the-air (OTA) protocol parameters within an infrastructure using at least one voice over Internet Protocol

(VOIP), such that a protocol other than the VOIP need not be used within the infrastructure to effect call set-up between a wireless communication device and another communication device via the infrastructure, wherein the parameters include a station classmark and the classmark represents telephone power.

38.-57. (Cancelled)

58. (Previously Presented) A method for facilitating communication between a wireless communication device transmitting information using an over-the-air (OTA) protocol and a telephony infrastructure using IP protocol to communicate information within the infrastructure, comprising:

- adding data in at least one IP message header representing at least one OTA network parameter;

- sending a first SIP Invite message containing a full OTA address of an originating wireless endpoint;

- receiving a destination address in response thereto; and

- sending a second SIP Invite message containing only parameters required for SIP VOIP communication and excluding CDMA-specific parameters not required for SIP VOIP communication, wherein the message header is a portion of a Session Initiation Protocol (SIP) Invite Request message.

59. (Previously Presented) A method, comprising:

- using extended session initiation protocol (SIP) headers to transmit over-the-air (OTA) protocol parameters within an infrastructure using at least one voice over Internet Protocol (VOIP), such that a protocol other than the VOIP need not be used within the infrastructure to effect call set-up between a wireless communication device and another communication device via the infrastructure;

- sending a first SIP Invite message containing at least some CDMA-specific parameters not required for SIP VOIP communication;

- receiving a destination address in response thereto; and

sending a second SIP Invite message containing only parameters required for SIP VOIP communication and excluding CDMA-specific parameters not required for SIP VOIP communication.